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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO.  |  |  |  |
|--|-------------|----------------------|---------------------|-------------------|--|--|--|
| 09/851,072   | 05/08/2001  | Jingen Zhang         | 393042              | 2831              |  |  |  |
| 27128  | 7590        | 02/10/2005           | EXAMINER            |                   |  |  |  |
| BLACKWELL SANDERS PEPPER MARTIN LLP<br>720 OLIVE STREET<br>SUITE 2400<br>ST. LOUIS, MO 63101 |             |                      |                     | HAMLIN, DERRICK G |  |  |  |
| ART UNIT   |             | PAPER NUMBER         |                     |                   |  |  |  |
| 1751   |             |                      |                     |                   |  |  |  |
| DATE MAILED: 02/10/2005  |             |                      |                     |                   |  |  |  |

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                   |              |
|------------------------------|-------------------|--------------|
| <b>Office Action Summary</b> | Application No.   | Applicant(s) |
|                              | 09/851,072        | ZHANG ET AL. |
|                              | Examiner          | Art Unit     |
|                              | Derrick G. Hamlin | 1751         |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 01 November 2004.
- 2a) This action is **FINAL**.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-16,19-21,23-25,27 and 29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

|  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

***Response to Amendment***

Claims 1-16, 19-21, 23-25, 27 and 29 are currently pending.

***Status of Claims***

The rejection of claims 1-3, under 35 U.S.C. 102(b), as being anticipated by Herber et al. (US 3,976,585), is maintained for the reasons set forth in the action mailed 7/2/04.

The rejection of claims 1 and 16, under 35 U.S.C. 102(b,) as being anticipated by Herber et al., (US 3,941,709), is maintained for the reasons set forth in the action mailed 7/2/04.

The rejection of claims 4-15, 21, 23, 25, 27 and 29, under 35 U.S.C. 103(a), as being unpatentable over Herber et al., (US 3,976,585), is maintained for the reasons set forth in the action mailed 7/2/04.

The rejection of claim 20 under 35 U.S.C. 103(a), as being unpatentable over Herber et al., (US 3,941,709), is maintained for the reasons set forth in the action mailed 7/2/04.

Claims 19 and 24 are objected to as being dependent upon a rejected base claim.

***Response to Arguments***

Applicant's arguments filed 7/2/04 have been fully considered but they are not persuasive. The applicant's arguments for all four rejections is that the amended claims now require that monoepoxycyclohexylane contain an aryl group or ether linkage, removing the use of alkyl groups as an option. However, the applicant is mistaken. The newly amended claims still allow R1, R2, R3, R4, R5, R6, R7 and R8 to be either hydrogen or  $-(CH_2)_n-R$ , where R may also be H, demonstrating that alkyl groups may still be employed, therefore the rejection filed 7/2/04 reads on the claims as it did before the amendment.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derrick G. Hamlin whose telephone number is (571)

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272-1317. The examiner can normally be reached on Monday-Fridays from ~8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Yogendra Gupta, can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Derrick G. Hamlin

2/7/05



*Margaret Einsmann*  
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PRIMARY EXAMINER  
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